



**Environmental  
Protection Agency**

Ted Strickland, **Governor**  
Lee Fisher, **Lt. Governor**  
Chris Korleski, **Director**

November 11, 2010

American Energy Corp - Century Mine  
43521 Mayhugh Hill Rd Twp Hwy 88  
Beallsville, OH 43716

Dear Permittee:

A Preliminary Compliance Review was conducted on your Discharge Monitoring Report (DMR) submitted on November 10, 2010. As detailed at the end of this letter, screening of your submitted DMR has identified possible compliance issues. Please review the information and take the appropriate action:

- If you believe the identified compliance issues are in error based on your understanding of your NPDES permit conditions, contact your Ohio EPA District Representative, Abbot Stevenson, at 1-800-686-7330 or [Abbot.Stevenson@epa.state.oh.us](mailto:Abbot.Stevenson@epa.state.oh.us)
- Part III-12 of your NPDES permit requires that you submit an email or a letter of explanation outlining the actions you have taken or are taking to correct certain instances of non-compliance. If you have not already done so, please submit the email or letter to your Ohio EPA District representative at the following address:  
Abbot Stevenson  
Ohio EPA - Southeast District Office  
2195 Front Street  
Logan, Ohio 4313  
1-800-686-7330 or [Abbot.Stevenson@epa.state.oh.us](mailto:Abbot.Stevenson@epa.state.oh.us)
- The following web address contains useful eDMR submission information including definitions of limit violations, non-numeric violations, frequency violations, calculation of average concentrations, and correct A-code use:  
<http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx>

Sincerely,

Ed Swindall  
[ed.swindall@epa.state.oh.us](mailto:ed.swindall@epa.state.oh.us)  
Supervisor, Permits Compliance Unit  
Ohio EPA, Division of Surface Water

50 West Town Street, Suite 700  
P.O. Box 1049  
Columbus, OH 43216-1049

614 | 644 3020  
614 | 644 3184 (fax)  
[www.epa.ohio.gov](http://www.epa.ohio.gov)



**Environmental  
Protection Agency**

Tod Strickland, **Governor**  
Lee Fisher, **Lt. Governor**  
Chris Korleski, **Director**

**Preliminary Compliance Report**

**Facility:** American Energy Corp - Century Mine

**Permit No.:** OIL00091\*GD

**Report Period:** October 2010

**Date Received:** 11/10/2010

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
015	Limit	10/3/2010	00400	pH	Daily Conc.	9.0	9.11

50 West Town Street, Suite 700  
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AEC 12267



Division of Surface Water  
Non-compliance Notification for  
Exceedance of a Daily Maximum Discharge Limit

Use this form to report non-compliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and e-mailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	<a href="mailto:sedo24hournpdes@epa.state.oh.us">sedo24hournpdes@epa.state.oh.us</a>
Southwest District Office:	<a href="mailto:swdo24hournpdes@epa.state.oh.us">swdo24hournpdes@epa.state.oh.us</a>
Northwest District Office:	<a href="mailto:nwdo24hournpdes@epa.state.oh.us">nwdo24hournpdes@epa.state.oh.us</a>
Northeast District Office:	<a href="mailto:nedo24hournpdes@epa.state.oh.us">nedo24hournpdes@epa.state.oh.us</a>
Central District Office:	<a href="mailto:cdo24hournpdes@epa.state.oh.us">cdo24hournpdes@epa.state.oh.us</a>
Central Office:	<a href="mailto:co24hournpdes@epa.state.oh.us">co24hournpdes@epa.state.oh.us</a>

<b>Permittee Information</b>	
Name of permittee:	American Energy Corporation
NPDES Permit number:	OIL00091*GD
Contact name for permittee:	Cody Mozena
Contact telephone number:	740-310-9428
<b>Exceeded limit</b>	
Parameter name:	pH
Provide type of limit exceeded, e.g. concentration, loading, etc.	Daily Concentration
<b>Extent of exceedance</b>	
Provide permit limit, e.g. 10 ug/l	6.00 - 9.00 S.U.
Measured exceedance (include units):	9.11 S.U.
<b>Cause of exceedance</b>	
Provide an explanation for the cause of the permit limit exceedance:	Water Quality Management personnel currently operate a small gasoline circulation pump at P015 to ensure proper dispersion of treatment chemical and promote inlet flow aeration. These processes raise pH and assist in settling parameters out of solution. This pump was mistakenly allowed to run throughout the night of 10/2/2010, causing a quick increase in the pH level. The pump was shut down by early morning on 10/3/2010. The field pH from 10/4/2010 shows the pH is within permitted discharge limits for pH.
<b>Period of exceedance</b>	
Exact time period of exceedance (include times and dates):	10/3/2010 7:30 A.M.
<b>If uncorrected, expected duration</b>	
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to continue:	The exceedance has been corrected.
<b>Steps to address exceedance</b>	
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	<ul style="list-style-type: none"><li>○ The circulation pump at P015 is now only being operated during times of increased inlet flow.</li><li>○ The pump is only allowed enough fuel to permit circulation for a few hours removing operator error.</li><li>○ Daily calls to management are now made by field personnel to ensure the pump is only running when necessary.</li></ul>



Environmental  
Protection Agency

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korleski, Director

June 16, 2010

American Energy Corp - Century Mine  
43521 Mayhugh Hill Rd Twp Hwy 88  
Beallsville, OH 43716

Dear Permittee:

A Preliminary Compliance Review was conducted on your Discharge Monitoring Report (DMR) submitted on June 14, 2010. As detailed at the end of this letter, screening of your submitted DMR has identified possible compliance issues. Please review the information and take the appropriate action:

- If you believe the identified compliance issues are in error based on your understanding of your NPDES permit conditions, contact your Ohio EPA District Representative, Abbot Stevenson, at 1-800-686-7330 or [Abbot.Stevenson@epa.state.oh.us](mailto:Abbot.Stevenson@epa.state.oh.us)
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- The following web address contains useful eDMR submission information including definitions of limit violations, non-numeric violations, frequency violations, calculation of average concentrations, and correct A-code use:  
<http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx>

Sincerely,

Ed Swindall  
[ed.swindall@epa.state.oh.us](mailto:ed.swindall@epa.state.oh.us)  
Supervisor, Permits Compliance Unit  
Ohio EPA, Division of Surface Water

50 West Town Street, Suite 700  
P.O. Box 1049  
Columbus, OH 43216-1049

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AEC 12269



Environmental  
Protection Agency

Ted Strickland, **Governor**  
Lee Fisher, **Lt. Governor**  
Chris Korlashti, **Director**

Preliminary Compliance Report

Facility: American Energy Corp - Century Mine

Permit No.: 01L00091\*GD

Report Period: May 2010

Date Received: 6/14/2010

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
017	Limit	5/1/2010	00610	Nitrogen, Ammonia (NH3)	Monthly Conc.	1.0	2.
017	Limit	5/19/2010	00610	Nitrogen, Ammonia (NH3)	Daily Conc.	1.5	2.6

50 West Town Street, Suite 700  
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AEC 12270



Division of Surface Water  
Non-compliance Notification for  
Exceedance of a Daily Maximum Discharge Limit

Use this form to report non-compliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and e-mailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

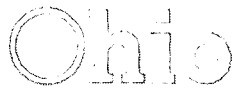
Southeast District Office: [sedo24hournpdes@epa.state.oh.us](mailto:sedo24hournpdes@epa.state.oh.us)  
Southwest District Office: [swdo24hournpdes@epa.state.oh.us](mailto:swdo24hournpdes@epa.state.oh.us)  
Northwest District Office: [nwdo24hournpdes@epa.state.oh.us](mailto:nwdo24hournpdes@epa.state.oh.us)  
Northeast District Office: [nedo24hournpdes@epa.state.oh.us](mailto:nedo24hournpdes@epa.state.oh.us)  
Central District Office: [cdo24hournpdes@epa.state.oh.us](mailto:cdo24hournpdes@epa.state.oh.us)  
Central Office: [co24hournpdes@epa.state.oh.us](mailto:co24hournpdes@epa.state.oh.us)

Permittee Information	
Name of permittee:	American Energy Corporation
NPDES Permit number:	OIL00091*GD
Contact name for permittee:	Cody Mozena
Contact telephone number:	740-310-9428
Exceeded limit	
Parameter name:	Nitrogen, Ammonia (NH3)
Provide type of limit exceeded, e.g. concentration, loading, etc.	Daily Concentration & Monthly Concentration
Extent of exceedance	
Provide permit limit, e.g. 10 ug/l	Daily Conc. Of 1.5 mg/l & Monthly Conc. Of 1.0 mg/l
Measured exceedance (include units):	Daily Measurement of 2.6 mg/l & Monthly Measurement of 2 mg/l
Cause of exceedance	
Provide an explanation for the cause of the permit limit exceedance:	Mechanical failure within the treatment facility has led to the plant not functioning at full operating capacity. We found the new #2 dosing pump which was installed in March lost a bearing causing the pump to fail. The failure of the #2 pump within the dosing tank has reduced the ability of the tank to function properly. The function of this pump is essential to maintaining proper flow throughout the treatment system. If a failure, or in our case reduction of pumping force occurs, proper flow and tank holding times cannot be achieved within the system, creating possible backups affecting the ability of each tank to properly function and settle out the necessary wastewater constituents.
Period of exceedance	
Exact time period of exceedance (include times and dates):	5/19/2010 2:50 P.M.
If uncorrected, expected duration	
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to continue:	5/30/2010
Steps to address exceedance	
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	Corrective actions taken to ensure NH3 levels will be discharged within permit guidelines include: American Energy is in the process of obtaining and installing the necessary parts to repair items within the #2 pump. This will ensure correct water treatment and allow water to properly pass through the treatment plant. Fixing the pump will also allow monitoring personnel to set timing where each pump will run for twelve hours at a time. This will alleviate system stress from only having one pump continuously running and should prevent future failures.



Division of Surface Water  
Non-compliance Notification for  
Exceedance of a Daily Maximum Discharge Limit

	<p>The testing lab has been requested to now email results to the water quality management group immediately upon completion of testing. In the interim, until the required parts needed to correct failure are obtained and installed, American Energy will remove waste from the system as needed to help maintain discharge compliance of the facility.</p>
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Environmental  
Protection Agency

Ted Strickland, **Governor**  
Lee Fisher, **Lt. Governor**  
Chris Korleski, **Director**

July 15, 2010

American Energy Corp - Century Mine  
43521 Mayhugh Hill Rd Twp Hwy 88  
Beallsville, OH 43716

Dear Permittee:

A Preliminary Compliance Review was conducted on your Discharge Monitoring Report (DMR) submitted on July 14, 2010. As detailed at the end of this letter, screening of your submitted DMR has identified possible compliance issues. Please review the information and take the appropriate action:

- If you believe the identified compliance issues are in error based on your understanding of your NPDES permit conditions, contact your Ohio EPA District Representative, Abbot Stevenson, at 1-800-686-7330 or [Abbot.Stevenson@epa.state.oh.us](mailto:Abbot.Stevenson@epa.state.oh.us)
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<http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx>

Sincerely,

Ed Swindall  
[ed.swindall@epa.state.oh.us](mailto:ed.swindall@epa.state.oh.us)  
Supervisor, Permits Compliance Unit  
Ohio EPA, Division of Surface Water

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AEC 12273





Environmental  
Protection Agency

Tod Strickland, **Governor**  
Lee Fisher, **Lt. Governor**  
Chris Korleski, **Director**

Preliminary Compliance Report

Facility: American Energy Corp - Century Mine

Permit No.: 0IL00091\*GD

Report Period: June 2010

Date Received: 7/14/2010

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
017	Limit	6/1/2010	00610	Nitrogen, Ammonia (NH3)	Monthly Conc.	1.0	4.9045
017	Limit	6/2/2010	00610	Nitrogen, Ammonia (NH3)	Daily Conc.	1.5	9.
017	Limit	6/1/2010	31616	Fecal Coliform	Monthly Conc.	1000	6600.
017	Limit	6/28/2010	31616	Fecal Coliform	Daily Conc.	2000	6600.

50 West Town Street, Suite 700  
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AEC 12274



Division of Surface Water  
Non-compliance Notification for  
Exceedance of a Daily Maximum Discharge Limit

Use this form to report non-compliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and e-mailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office: [sedo24hournpdes@epa.state.oh.us](mailto:sedo24hournpdes@epa.state.oh.us)  
Southwest District Office: [swdo24hournpdes@epa.state.oh.us](mailto:swdo24hournpdes@epa.state.oh.us)  
Northwest District Office: [nwdo24hournpdes@epa.state.oh.us](mailto:nwdo24hournpdes@epa.state.oh.us)  
Northeast District Office: [nedo24hournpdes@epa.state.oh.us](mailto:nedo24hournpdes@epa.state.oh.us)  
Central District Office: [cdo24hournpdes@epa.state.oh.us](mailto:cdo24hournpdes@epa.state.oh.us)  
Central Office: [co24hournpdes@epa.state.oh.us](mailto:co24hournpdes@epa.state.oh.us)

<b>Permittee Information</b>	
Name of permittee:	American Energy Corporation
NPDES Permit number:	OIL00091*GD
Contact name for permittee:	Cody Mozena
Contact telephone number:	740-310-9428
<b>Exceeded limit</b>	
Parameter name:	Nitrogen, Ammonia (NH3) Fecal Coliform
Provide type of limit exceeded, e.g. concentration, loading, etc.	Daily Concentration & Monthly Concentration
<b>Extent of exceedance</b>	
Provide permit limit, e.g. 10 ug/l	Daily Conc. of 1.5 mg/l & Monthly Conc. of 1.0 mg/l (NH3) Daily Conc. of 2000 CFU/100ml & Monthly Conc. of 1000 CFU/100ml (Fecal Coliform)
Measured exceedance (include units):	Daily Measurement of 9 mg/l & Monthly Measurement of 4.9 mg/l (NH3) Daily & Monthly Measurement of 6600 (Fecal Coliform)
<b>Cause of exceedance</b>	
Provide an explanation for the cause of the permit limit exceedance:	Mechanical failure within the treatment facility has led to the plant not functioning at full operating capacity. One of the two aeration blowers failed early in the month of May, reducing our ability to lower levels of Ammonia. The oxygen introduced by the aeration blowers allows monitoring personnel to control the level of Ammonia within the system. As described by the plant operator, aeration provided by each blower helps to reduce NH3 levels. This step occurs before entering the clarification tank. The combination of these steps allows for proper treatment and settling time. The flow equalization pump ensures proper settling time of parameters within the treatment system. The E.Q. tank is crucial to the system and has not been functioning properly. Both mechanical failures as well as the failure of the #2 dosing pump which was noted for May occurred in rapid succession hindering the ability of the plant operator to effectively treat the wastewater.
<b>Period of exceedance</b>	
Exact time period of exceedance (include times and dates):	6/2/2010 2:40 P.M. (NH3) 6/28/2010 2:50 P.M. (Fecal Coliform)
<b>If uncorrected, expected duration</b>	
If the exceedance is not yet corrected, provide the expected time period during which it is anticipated to continue:	Both exceedances have been corrected.
<b>Steps to address exceedance</b>	
Describe all the steps taken to reduce, eliminate, or prevent future occurrence of the exceedance(s):	Corrective actions taken to ensure Fecal Coliform & NH3 levels will be discharged within permit guidelines include: American Energy has



Division of Surface Water  
Non-compliance Notification for  
Exceedance of a Daily Maximum Discharge Limit

	successfully installed the necessary parts to repair all mechanical failures within the sewage treatment facility. The final mechanical issue was fixed June 28th. Wastewater will now properly pass through the treatment facility allowing the plant to correctly treat and settle out contaminants. WQIM staff has asked the plant operator to compile a list of vital parts and equipment so an inventory of essential items can be developed. The testing lab is continuing to send results immediately via email to the water quality management group to shorten response time. NH3 results following the June 2 <sup>nd</sup> exceedance are within effluent limitations and Fecal Coliform results for July are below detectable limits.